RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

| Application Serial Number: | 10/533726 | |
|----------------------------|-----------|--|
| Source: | PCT. | |
| Date Processed by STIC: | 5/12/5 | |

ENTERED



DATE: 05/12/2005 RAW SEQUENCE LISTING PATENT APPLICATION: US/10/533,726 TIME: 08:13:35

Input Set : A:\11441us.ST25.txt

Output Set: N:\CRF4\05122005\J533726.raw

```
3 <110> APPLICANT: The Council of the Queensland Institute of Medical Research
              Khanna, Rajiv
              Jaikumar, Duraiswamy
      7 <120> TITLE OF INVENTION: Epstein Barr Virus Peptide Epitopes, Polyepitopes and
Delivery
              System Therefor
      8
     10 <130> FILE REFERENCE: 11441US2
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/533,726
C--> 13 <141> CURRENT FILING DATE: 2005-05-04
     15 <150> PRIOR APPLICATION NUMBER: 2003901792
     16 <151> PRIOR FILING DATE: 2003-04-15
     18 <150> PRIOR APPLICATION NUMBER: 2002952524
     19 <151> PRIOR FILING DATE: 2002-11-07
     21 <160> NUMBER OF SEQ ID NOS: 125
     23 <170> SOFTWARE: PatentIn version 3.3
     25 <210> SEQ ID NO: 1
     26 <211> LENGTH: 9
     27 <212> TYPE: PRT
     28 <213> ORGANISM: Epstein Barr Virus
     30 <400> SEQUENCE: 1
     32 Tyr Leu Gln Gln Asn Trp Trp Thr Leu
     36 <210> SEQ ID NO: 2
     37 <211> LENGTH: 9
     38 <212> TYPE: PRT
     39 <213> ORGANISM: Epstein Barr Virus
     41 <400> SEQUENCE: 2
     43 Glu Ser Asp Ser Asn Ser Asn Glu Gly
     47 <210> SEQ ID NO: 3
     48 <211> LENGTH: 9
     49 <212> TYPE: PRT
     50 <213> ORGANISM: Epstein Barr Virus
     52 <400> SEQUENCE: 3
     54 Tyr Leu Leu Glu Met Leu Trp Arg Leu
     55 1
     58 <210> SEQ ID NO: 4
     59 <211> LENGTH: 3
     60 <212> TYPE: PRT
     61 <213> ORGANISM: Epstein Barr Virus
     63 <400> SEQUENCE: 4
     65 Gln Arg His
     66 1
```

69 <210> SEQ ID NO: 5

RAW SEQUENCE LISTINGPATENT APPLICATION: **US/10/533,726**DATE: 05/12/2005 TIME: 08:13:35

Input Set : A:\11441us.ST25.txt

```
70 <211> LENGTH: 5
71 <212> TYPE: PRT
72 <213> ORGANISM: Epstein Barr Virus
74 <400> SEQUENCE: 5
76 Ala Gly Asn Asp Gly
77 1
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 3
82 <212> TYPE: PRT
83 <213> ORGANISM: Epstein Barr Virus
85 <400> SEQUENCE: 6
87 Gln Asn Trp
88 1
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 4
93 <212> TYPE: PRT
94 <213> ORGANISM: Epstein Barr Virus
96 <400> SEQUENCE: 7
98 Val Leu Tyr Ser
99 1
102 <210> SEQ ID NO: 8
103 <211> LENGTH: 6
104 <212> TYPE: PRT
105 <213> ORGANISM: Epstein Barr Virus
107 <400> SEQUENCE: 8
109 Asp Ser Asn Ser Asn Glu
110 1
113 <210> SEQ ID NO: 9
114 <211> LENGTH: 9
115 <212> TYPE: PRT
116 <213> ORGANISM: Epstein Barr Virus
118 <400> SEQUENCE: 9
120 Gln Arg His Ser Asp Glu His His His
121 1
124 <210> SEQ ID NO: 10
125 <211> LENGTH: 9
126 <212> TYPE: PRT
127 <213> ORGANISM: Epstein Barr Virus
129 <400> SEQUENCE: 10
131 Gly Gln Arg His Ser Asp Glu His His
132 1
135 <210> SEQ ID NO: 11
136 <211> LENGTH: 9
137 <212> TYPE: PRT
138 <213> ORGANISM: Epstein Barr Virus
140 <400> SEQUENCE: 11
142 Tyr Tyr His Gly Gln Arg His Ser Asp
146 <210> SEQ ID NO: 12
```

RAW SEQUENCE LISTING DATE: 05/12/2005 PATENT APPLICATION: US/10/533,726 TIME: 08:13:35

Input Set : A:\11441us.ST25.txt

```
147 <211> LENGTH: 9
148 <212> TYPE: PRT
149 <213 > ORGANISM: Epstein Barr Virus
151 <400> SEQUENCE: 12
153 Trp Met Tyr Tyr His Gly Gln Arg His
154 1
157 <210> SEQ ID NO: 13
158 <211> LENGTH: 12
159 <212> TYPE: PRT
160 <213> ORGANISM: Epstein Barr Virus
162 <400> SEQUENCE: 13
164 Tyr Tyr His Gly Gln Arg His Ser Asp Glu His His
165 1
168 <210> SEQ ID NO: 14
169 <211> LENGTH: 12
170 <212> TYPE: PRT
171 <213> ORGANISM: Epstein Barr Virus
173 <400> SEQUENCE: 14
175 Ile Trp Met Tyr Tyr His Gly Gln Arg His Ser Asp
176 1
179 <210> SEQ ID NO: 15
180 <211> LENGTH: 17
181 <212> TYPE: PRT
182 <213> ORGANISM: Epstein Barr Virus
184 <400> SEQUENCE: 15
186 Leu Ile Trp Met Tyr Tyr His Gly Gln Arg His Ser Asp Glu His His
187 1
190 His
194 <210> SEQ ID NO: 16
195 <211> LENGTH: 9
196 <212> TYPE: PRT
197 <213> ORGANISM: Epstein Barr Virus
199 <400> SEQUENCE: 16
201 Ala Gly Asn Asp Gly Gly Pro Pro Gln
202 1
205 <210> SEQ ID NO: 17
206 <211> LENGTH: 9
207 <212> TYPE: PRT
208 <213> ORGANISM: Epstein Barr Virus
210 <400> SEQUENCE: 17
212 Pro Ser Asp Ser Ala Gly Asn Asp Gly
213 1
216 <210> SEQ ID NO: 18
217 <211> LENGTH: 12
218 <212> TYPE: PRT
219 <213> ORGANISM: Epstein Barr Virus
221 <400> SEQUENCE: 18
223 Ser Asp Ser Ala Gly Asn Asp Gly Gly Pro Pro Gln
224 1
```

RAW SEQUENCE LISTING DATE: 05/12/2005 PATENT APPLICATION: US/10/533,726 TIME: 08:13:35

Input Set : A:\11441us.ST25.txt

```
227 <210> SEQ ID NO: 19
228 <211> LENGTH: 12
229 <212> TYPE: PRT
230 <213> ORGANISM: Epstein Barr Virus
232 <400> SEQUENCE: 19
234 Asp Ser Ala Gly Asn Asp Gly Gly Pro Pro Gln Leu
238 <210> SEQ ID NO: 20
239 <211> LENGTH: 17
240 <212> TYPE: PRT
241 <213> ORGANISM: Epstein Barr Virus
243 <400> SEQUENCE: 20
245 Pro His Ser Pro Ser Asp Ser Ala Gly Asn Asp Gly Gly Pro Pro Gln
246 1
249 Leu
253 <210> SEQ ID NO: 21
254 <211> LENGTH: 9
255 <212> TYPE: PRT
256 <213> ORGANISM: Epstein Barr Virus
258 <400> SEQUENCE: 21
260 Ile Ala Leu Tyr Leu Gln Gln Asn Trp
261 1
264 <210> SEQ ID NO: 22
265 <211> LENGTH: 9
266 <212> TYPE: PRT
267 <213> ORGANISM: Epstein Barr Virus
269 <400> SEQUENCE: 22
271 Ala Leu Tyr Leu Gln Gln Asn Trp Trp
272 1
275 <210> SEQ ID NO: 23
276 <211> LENGTH: 9
277 <212> TYPE: PRT
278 <213> ORGANISM: Epstein Barr Virus
280 <400> SEQUENCE: 23
282 Gln Asn Trp Trp Thr Leu Leu Val Asp
283 1
286 <210> SEQ ID NO: 24
287 <211> LENGTH: 9
288 <212> TYPE: PRT
289 <213> ORGANISM: Epstein Barr Virus
291 <400> SEQUENCE: 24
293 Leu Tyr Leu Gln Gln Asn Trp Trp Thr
294 1
297 <210> SEQ ID NO: 25
298 <211> LENGTH: 12
299 <212> TYPE: PRT
300 <213> ORGANISM: Epstein Barr Virus
302 <400> SEQUENCE: 25
304 Ile Ala Leu Tyr Leu Gln Gln Asn Trp Trp Thr Leu
```

RAW SEQUENCE LISTING DATE: 05/12/2005 PATENT APPLICATION: US/10/533,726 TIME: 08:13:35

Input Set : A:\11441us.ST25.txt

```
305 1
                                         10
308 <210> SEQ ID NO: 26
309 <211> LENGTH: 12
310 <212> TYPE: PRT
311 <213> ORGANISM: Epstein Barr Virus
313 <400> SEQUENCE: 26
315 Tyr Leu Gln Gln Asn Trp Trp Thr Leu Leu Val Asp
316 1
319 <210> SEQ ID NO: 27
320 <211> LENGTH: 17
321 <212> TYPE: PRT
322 <213> ORGANISM: Epstein Barr Virus
324 <400> SEQUENCE: 27
326 Leu Ile Ile Ala Leu Tyr Leu Gln Gln Asn Trp Trp Thr Leu Leu Val
327 1
                                         1.0
330 Asp
334 <210> SEQ ID NO: 28
335 <211> LENGTH: 10
336 <212> TYPE: PRT
337 <213> ORGANISM: Epstein Barr Virus
339 <400> SEQUENCE: 28
341 Ala Leu Leu Val Leu Tyr Ser Phe Ala Leu
342 1
345 <210> SEQ ID NO: 29
346 <211> LENGTH: 9
347 <212> TYPE: PRT
348 <213> ORGANISM: Epstein Barr Virus
350 <400> SEQUENCE: 29
352 Leu Leu Val Leu Tyr Ser Phe Ala Leu
353 1
356 <210> SEQ ID NO: 30
357 <211> LENGTH: 9
358 <212> TYPE: PRT
359 <213> ORGANISM: Epstein Barr Virus
361 <400> SEQUENCE: 30
363 Ala Leu Leu Val Leu Tyr Ser Phe Ala
367 <210> SEQ ID NO: 31
368 <211> LENGTH: 9
369 <212> TYPE: PRT
370 <213> ORGANISM: Epstein Barr Virus
372 <400> SEQUENCE: 31
374 Val Leu Tyr Ser Phe Ala Leu Met Leu
375 1
378 <210> SEQ ID NO: 32
379 <211> LENGTH: 12
380 <212> TYPE: PRT
381 <213> ORGANISM: Epstein Barr Virus
383 <400> SEQUENCE: 32
```

VERIFICATION SUMMARY

DATE: 05/12/2005

PATENT APPLICATION: US/10/533,726

TIME: 08:13:36

Input Set : A:\11441us.ST25.txt

Output Set: N:\CRF4\05122005\J533726.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date